Microscope Lab

Name: _____ Date: _____

Objectives:

To learn the parts of the microscope. To find specimens using low and high power. To make a wet mount.

Procedure: Letter "e"

1. Cut out the letter "e" and place it on the slide face up.
2. Add a drop of water to the slide.
3. Place the cover slip on top of the "e" and drop of water at a 45 – degree angle and lower. Draw what is on the slide in Figure 1.
4. Place the slide on the stage and view in low power (4x). Center the "e" in your field of view. Draw what you see in Figure 2.
5. Move the slide to the left, what happens? Move the slide to the right, what happens? Up? Down?
6. View the specimen in high power (10x). Use the fine adjustment only to focus. Draw what you see in Figure 3.

Data: Part 1- The letter "e"

Figure 1: Drawing of the letter "e" on the slide.

Figure 2: Drawing of the letter "e" in low power (4x).

Figure 3: Drawing of the letter "e" in high power (10x)

Analysis:

1. How does the letter "e" as seen through the microscope differ from the way an "e" normally appears?
2. When you move the slide to the left, in what direction does the letter "e" appear to move? When you move it to the right? Up? Down?
3. How does the ink appear under the microscope compared to normal view?
4. Why does a specimen placed under the microscope have to be thin?

Conclusion: 2-3 sentences on what you learned.

YOU MUST CLEAN UP! ALL SLIDES ARE CLEANED AND PUT AWAY.